



PC10315A Sequence Listing.ST25.txt  
SEQUENCE LISTING

<110> Pfizer Inc.

Fidock, Mark David

<120> Enzyme PDE xiv

<130> PC10315AGPR

RECEIVED

JUN 13 2002

<140> 09/471,459

TECH CENTER 1600/2900

<141> 1999-12-22

<150> GB 9828603.2

<151> 1998-12-23

<150> GB 9922123.6

<151> 1999-09-17

<160> 26

<170> PatentIn version 3.1

<210> 1

<211> 446

<212> PRT

<213> Mouse

<400> 1

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Pro Glu Gln Ser Val Lys Cys Val Cys Met Leu Gly Asp Val Arg Leu  
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Arg Gly Gln Thr Gly Val Pro Ala Glu Arg Arg Gly Ser Tyr Pro Phe  
35 40 45

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Ile Asp Phe Arg Leu Leu Asn Asn Thr Thr His Ser Gly Glu Ile Gly  
50 55 60

Thr Lys Lys Lys Val Lys Arg Leu Leu Ser Phe Gln Arg Tyr Phe His  
65 70 75 80

Ala Ser Arg Leu Leu Arg Gly Ile Ile Pro Gln Ala Pro Leu His Leu  
85 90 95

Leu Asp Glu Asp Tyr Leu Gly Gln Ala Arg His Met Leu Ser Lys Val  
100 105 110

Gly Thr Trp Asp Phe Asp Ile Phe Leu Phe Asp Arg Leu Thr Asn Gly  
115 120 125

Asn Ser Leu Val Thr Leu Leu Cys His Leu Phe Asn Ser His Gly Leu  
130 135 140

Ile His His Phe Lys Leu Asp Met Val Thr Leu His Arg Phe Leu Val  
145 150 155 160

Met Val Gln Glu Asp Tyr His Gly His Asn Pro Tyr His Asn Ala Val  
165 170 175

His Ala Ala Asp Val Thr Gln Ala Met His Cys Tyr Leu Lys Glu Pro  
180 185 190

Lys Leu Ala Ser Phe Leu Thr Pro Leu Asp Ile Met Leu Gly Leu Leu  
195 200 205

Ala Ala Ala Ala His Asp Val Asp His Pro Gly Val Asn Gln Pro Phe  
210 215 220

Leu Ile Lys Thr Asn His His Leu Ala Asn Leu Tyr Gln Asn Met Ser  
225 230 235 240

Val Leu Glu Asn His His Trp Arg Ser Thr Ile Gly Met Leu Arg Glu  
245 250 255

Ser Arg Leu Leu Ala His Leu Pro Lys Glu Met Thr Gln Asp Ile Glu  
260 265 270

Gln Gln Leu Gly Ser Leu Ile Leu Ala Thr Asp Ile Asn Arg Gln Asn  
275 280 285

Glu Phe Leu Thr Arg Leu Lys Ala His Leu His Asn Lys Asp Leu Arg  
290 295 300

Leu Glu Asn Val Gln Asp Arg His Phe Met Leu Gln Ile Ala Leu Lys  
305 310 315 320

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Cys Ala Asp Ile Cys Asn Pro Cys Arg Ile Trp Glu Met Ser Lys Gln  
325 330 335

Trp Ser Glu Arg Val Cys Glu Glu Phe Tyr Arg Gln Gly Asp Leu Glu  
340 345 350

Gln Lys Phe Glu Leu Glu Ile Ser Pro Leu Cys Asn Gln Gln Lys Asp  
355 360 365

Ser Ile Pro Ser Ile Gln Ile Gly Phe Met Thr Tyr Ile Val Glu Pro  
370 375 380

Leu Phe Arg Glu Trp Ala Arg Phe Thr Gly Asn Ser Thr Leu Ser Glu  
385 390 395 400

Asn Met Leu Ser His Leu Ala His Asn Lys Ala Gln Trp Lys Ser Leu  
405 410 415

Leu Ser Asn Gln His Arg Arg Arg Gly Ser Gly Gln Asp Leu Ala Gly  
420 425 430

Pro Ala Pro Glu Thr Leu Glu Gln Thr Glu Gly Ala Thr Pro  
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<210> 2

<211> 1341

<212> DNA

<213> Mouse

<400> 2  
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gaacgcccgtg gtccttaccc attcattgtc ttccgtctac ttaacaatac aacacactca 180  
ggggaaatttgcaccaagaa aaaggtaaa cgactgttaa gttccaaag atacttccat 240  
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ctggacatca tgcttggact actggctgca gcagctcatg acgtggacca cccaggggtc 660

## PC10315A Sequence Listing.ST25.txt

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gccacggata	tcaacagaca	gaatgagttt	ctgaccgc	taaaagctca	cctccacaat	900
aaagatttga	gactggagaa	tgtacaggac	agacactta	tgcttcagat	cgccttgaag	960
tgtgctgaca	tttgcattcc	ttgtcgtatc	tgggagatga	gcaagcagt	gagtgaaagg	1020
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cctcttgta	atcaacagaa	agattcaatc	cctagcatac	aaattggttt	catgacttac	1140
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aacatgctaa	gccatctcgc	gcacaacaaa	gcccagtgg	agagcctgct	gtccaatcag	1260
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&lt;211&gt; 288

&lt;212&gt; PRT

&lt;213&gt; Human

&lt;400&gt; 3

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Pro	Asp	Gln	Asn	Ala	Lys	Cys	Val	Cys	Met	Leu	Gly	Asp	Ile	Arg	Leu
				20			25						30		

Arg	Gly	Gln	Thr	Gly	Val	Arg	Ala	Glu	Arg	Arg	Gly	Ser	Tyr	Pro	Phe
				35		40					45				

Ile	Asp	Phe	Arg	Leu	Leu	Asn	Ser	Thr	Thr	Tyr	Ser	Gly	Glu	Ile	Gly
				50		55			60						

Thr	Lys	Lys	Lys	Val	Lys	Arg	Leu	Leu	Ser	Phe	Gln	Arg	Tyr	Phe	His
				65		70			75				80		

Ala	Ser	Arg	Leu	Leu	Arg	Gly	Ile	Ile	Pro	Gln	Ala	Pro	Leu	His	Leu
				85			90						95		

Leu	Asp	Glu	Asp	Tyr	Leu	Gly	Gln	Ala	Arg	His	Met	Leu	Ser	Lys	Val
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Gly	Met	Trp	Asp	Phe	Asp	Ile	Phe	Leu	Phe	Asp	Arg	Leu	Thr	Asn	Gly
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Asn Ser Leu Val Thr Leu Leu Cys His Leu Phe Asn Thr His Gly Leu  
130 135 140

Ile His His Phe Lys Leu Asp Met Val Thr Leu His Arg Phe Leu Val  
145 150 155 160

Met Val Gln Glu Asp Tyr His Ser Gln Asn Pro Tyr His Asn Ala Val  
165 170 175

His Ala Ala Asp Val Thr Gln Ala Met His Cys Tyr Leu Lys Glu Pro  
180 185 190

Lys Leu Ala Ser Phe Leu Thr Pro Leu Asp Ile Met Leu Gly Leu Leu  
195 200 205

Ala Ala Ala Ala His Asp Val Asp His Pro Gly Val Asn Gln Pro Phe  
210 215 220

Leu Ile Lys Thr Asn His His Leu Ala Asn Leu Tyr Gln Asn Met Ser  
225 230 235 240

Val Leu Glu Asn His His Trp Arg Ser Thr Ile Gly Met Leu Arg Glu  
245 250 255

Ser Arg Leu Leu Ala His Leu Pro Lys Glu Met Thr Gly Thr Trp Asp  
260 265 270

Phe Asp Ile Phe Leu Phe Asp Arg Leu Thr Asn Gly Asn Ser Leu Val  
275 280 285

<210> 4

<211> 807

<212> DNA

<213> Human

<400> 4  
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gaacgcccgtg gtcctaccc attcattgac ttccgcctac ttaacagtac aacatactca 180  
ggggagatgg gcaccaagaa aaaggtgaaa agactattaa gctttcaaag atacttccat 240  
gcatcaaggc tgcttcgtgg aattatacca caagccctc tgcacacgtc ggatgaagac 300  
taccttggac aagcaaggca tatgctctcc aaagtggaa tgtgggattt tgacatttc 360  
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## PC10315A Sequence Listing.ST25.txt

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ctggacatca tgcttggact gctggctgca gcagcacacg atgtggacca cccaggggtg	660
aaccagccat tttgataaaa aactaaccac catcttgcaa acctatatca gaatatgtct	720
gtgctggaga atcatcactg gcgatctaca attggcatgc ttcgagaatc aaggcttctt	780
gctcattgc caaaggaaat gacgtaa	807

&lt;210&gt; 5

&lt;211&gt; 450

&lt;212&gt; PRT

&lt;213&gt; Human

&lt;400&gt; 5

Met Ser Cys Leu Met Val Glu Arg Cys Gly Glu Ile Leu Phe Glu Asn	
1 5 10 15	

Pro Asp Gln Asn Ala Lys Cys Val Cys Met Leu Gly Asp Ile Arg Leu	
20 25 30	

Arg Gly Gln Thr Gly Val Arg Ala Glu Arg Arg Gly Ser Tyr Pro Phe	
35 40 45	

Ile Asp Phe Arg Leu Leu Asn Ser Thr Thr Tyr Ser Gly Glu Ile Gly	
50 55 60	

Thr Lys Lys Lys Val Lys Arg Leu Leu Ser Phe Gln Arg Tyr Phe His	
65 70 75 80	

Ala Ser Arg Leu Leu Arg Gly Ile Ile Pro Gln Ala Pro Leu His Leu	
85 90 95	

Leu Asp Glu Asp Tyr Leu Gly Gln Ala Arg His Met Leu Ser Lys Val	
100 105 110	

Gly Met Trp Asp Phe Asp Ile Phe Leu Phe Asp Arg Leu Thr Asn Gly	
115 120 125	

Asn Ser Leu Val Thr Leu Leu Cys His Leu Phe Asn Thr His Gly Leu	
130 135 140	

Ile His His Phe Lys Leu Asp Met Val Thr Leu His Arg Phe Leu Val	
145 150 155 160	

## PC10315A Sequence Listing.ST25.txt

Met Val Gln Glu Asp Tyr His Ser Gln Asn Pro Tyr His Asn Ala Val  
165 170 175

His Ala Ala Asp Val Thr Gln Ala Met His Cys Tyr Leu Lys Glu Pro  
180 185 190

Lys Leu Ala Ser Phe Leu Thr Pro Leu Asp Ile Met Leu Gly Leu Leu  
195 200 205

Ala Ala Ala Ala His Asp Val Asp His Pro Gly Val Asn Gln Pro Phe  
210 215 220

Leu Ile Lys Thr Asn His His Leu Ala Asn Leu Tyr Gln Asn Met Ser  
225 230 235 240

Val Leu Glu Asn His His Trp Arg Ser Thr Ile Gly Met Leu Arg Glu  
245 250 255

Ser Arg Leu Leu Ala His Leu Pro Lys Glu Met Thr Gln Asp Ile Glu  
260 265 270

Gln Gln Leu Gly Ser Leu Ile Leu Ala Thr Asp Ile Asn Arg Gln Asn  
275 280 285

Glu Phe Leu Thr Arg Leu Lys Ala His Leu His Asn Lys Asp Leu Arg  
290 295 300

Leu Glu Asp Ala Gln Asp Arg His Phe Met Leu Gln Ile Ala Leu Lys  
305 310 315 320

Cys Ala Asp Ile Cys Asn Pro Cys Arg Ile Trp Glu Met Ser Lys Gln  
325 330 335

Trp Ser Glu Arg Val Cys Glu Glu Phe Tyr Arg Gln Gly Glu Leu Glu  
340 345 350

Gln Lys Phe Glu Leu Glu Ile Ser Pro Leu Cys Asn Gln Gln Lys Asp  
355 360 365

Ser Ile Pro Ser Ile Gln Ile Gly Phe Met Ser Tyr Ile Val Glu Pro  
370 375 380

Leu Phe Arg Glu Trp Ala His Phe Thr Gly Asn Ser Thr Leu Ser Glu  
385 390 395 400

Asn Met Leu Gly His Leu Ala His Asn Lys Ala Gln Trp Lys Ser Leu  
405 410 415

Leu Pro Arg Gln His Arg Ser Arg Gly Ser Ser Gly Ser Gly Pro Asp  
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His Asp His Ala Gly Gln Gly Thr Glu Ser Glu Glu Gln Glu Gly Asp  
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Ser Pro  
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<211> 1353

<212> DNA

<213> Human

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cacagaagca gggcagcag tggcagcggg cctgaccacg accacgcagg ccaaggact 1320  
gagagcgagg agcaggaagg cgacagcccc tag 1353

## PC10315A Sequence Listing.ST25.txt

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<213> Mouse

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## PC10315A Sequence Listing.ST25.txt

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gccatcgac	agctgacctg	catgacacca	gcatacttg	aactgcaaaa	ctggtcttgc	2160
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&lt;211&gt; 2992

&lt;212&gt; DNA

&lt;213&gt; Human

&lt;400&gt; 8

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## PC10315A Sequence Listing.ST25.txt

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ccccccggctg tacttccctgc ctgc当地ctgctg ctgtctatca gaggagattt ggtgtc当地tt	1260
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tgctcaactt tgccaaattc cc当地accttta gtttagcaaa attgtc当地ttc catgtagctc	1440
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tatatttgt aattgcttagt ctc当地acaaa atagaagtca gaaattt当地tctt tctaaaatgt	1560
cttttgc当地aa gtaattgaaa tggccctagc atttt当地tca ccaattaatt tacctt当地gt	1620
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PC10315A Sequence Listing.ST25.txt

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PC10315A Sequence Listing.ST25.txt

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Pro Gly Val Asn Gln Pro Phe Leu Ile Lys Thr Asn His His Leu Ala  
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Asn Leu Tyr Gln Asn Met Ser Val Leu Glu Asn His His Trp Arg Ser  
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